

What is claimed is:

1. A stacked fuel cell comprising:

a plurality of cell films and a plurality of separators stacked alternately, said cell films each comprising a solid polymer electrolyte film sandwiched between electrode films, and said separators each being electrically conductive and each having a fuel gas channel formed in one surface thereof, and an oxidant gas channel formed in other surface thereof, wherein

a plurality of partition plates are interposed with predetermined spacing in a direction of stacking, said partition plates each being electrically conductive and each having a piercing portion, through which a line-shaped or band-shaped fastener is passed in a direction perpendicular to said direction of stacking.

2. The stacked fuel cell according to claim 1, wherein a gas channel is formed in a surface of said partition plate in contact with said electrode film.

3. The stacked fuel cell according to claim 2, wherein said partition plate comprises an end separator having said gas channel formed therein, and a terminal board having said piercing portion formed therein.

4. The stacked fuel cell according to claim 1,

further comprising said fastener which passes through said piercing portion of said partition plate and fastens said cell films and said separators interposed between said partition plates.

5. The stacked fuel cell according to claim 2, further comprising said fastener which passes through said piercing portion of said partition plate and fastens said cell films and said separators interposed between said partition plates.

6. The stacked fuel cell according to claim 3, further comprising said fastener which passes through said piercing portion of said partition plate and fastens said cell films and said separators interposed between said partition plates.

7. A method for maintenance of the stacked fuel cell according to claim 1, wherein:

in order that except for said cell films and said separators between said partition plates having targeted said cell film or separator interposed therebetween, remaining said cell films and separators will be fastened by said fastener, said fastener is passed through said piercing portions of said partition plates and used for fastening, whereafter said cell films and said separators between said partition plates having said targeted cell

film or separator interposed therebetween are detached.

8. A method for maintenance of the stacked fuel cell according to claim 2, wherein:

in order that except for said cell films and said separators between said partition plates having targeted said cell film or separator interposed therebetween, remaining said cell films and separators will be fastened by said fastener, said fastener is passed through said piercing portions of said partition plates and used for fastening, whereafter said cell films and said separators between said partition plates having said targeted cell film or separator interposed therebetween are detached.

9. A method for maintenance of the stacked fuel cell according to claim 3, wherein:

in order that except for said cell films and said separators between said partition plates having targeted said cell film or separator interposed therebetween, remaining said cell films and separators will be fastened by said fastener, said fastener is passed through said piercing portions of said partition plates and used for fastening, whereafter said cell films and said separators between said partition plates having said targeted cell film or separator interposed therebetween are detached.

10. The method for maintenance of the stacked fuel

cell according to claim 7, wherein:

in order that said cell films and said separators between said partition plates having said targeted cell film or separator interposed therebetween will be fastened by said fastener, said fastener is passed through said piercing portions of said partition plates and used for fastening, whereafter said cell films and said separators between said partition plates having said targeted cell film or separator interposed therebetween are detached.

11. The method for maintenance of the stacked fuel cell according to claim 8, wherein:

in order that said cell films and said separators between said partition plates having said targeted cell film or separator interposed therebetween will be fastened by said fastener, said fastener is passed through said piercing portions of said partition plates and used for fastening, whereafter said cell films and said separators between said partition plates having said targeted cell film or separator interposed therebetween are detached.

12. The method for maintenance of the stacked fuel cell according to claim 9, wherein:

in order that said cell films and said separators

between said partition plates having said targeted cell film or separator interposed therebetween will be fastened by said fastener, said fastener is passed through said piercing portions of said partition plates and used for fastening, whereafter said cell films and said separators between said partition plates having said targeted cell film or separator interposed therebetween are detached.